

The group  $G$  is isomorphic to the group labelled by [ 18, 1 ] in the Small Groups library.

Ordinary character table of  $G \cong \text{D18}$ :

	$1a$	$9a$	$2a$	$9b$	$9c$	$3a$
$\chi_1$	1	1	1	1	1	1
$\chi_2$	1	1	-1	1	1	1
$\chi_3$	2	-1	0	-1	-1	2
$\chi_4$	2	$E(9)^2 + E(9)^7$	0	$E(9)^4 + E(9)^5$	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	-1
$\chi_5$	2	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	0	$E(9)^2 + E(9)^7$	$E(9)^4 + E(9)^5$	-1
$\chi_6$	2	$E(9)^4 + E(9)^5$	0	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	$E(9)^2 + E(9)^7$	-1

Trivial source character table of  $G \cong \text{D18}$  at  $p = 2$ :

Normalisers $N_i$	$N_1$					$N_2$
$p$ -subgroups of $G$ up to conjugacy in $G$	$P_1$					$P_2$
Representatives $n_j \in N_i$	$1a$	$9a$	$3a$	$9b$	$9c$	$1a$
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6$	2	2	2	2	2	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6$	2	-1	2	-1	-1	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6$	2	$E(9)^2 + E(9)^7$	-1	$E(9)^4 + E(9)^5$	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6$	2	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	-1	$E(9)^2 + E(9)^7$	$E(9)^4 + E(9)^5$	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6$	2	$E(9)^4 + E(9)^5$	-1	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	$E(9)^2 + E(9)^7$	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6$	1	1	1	1	1	1

$$P_1 = \text{Group}([(())]) \cong 1$$

$$P_2 = \text{Group}([(1, 2)(3, 18)(4, 12)(5, 17)(6, 9)(7, 16)(8, 15)(10, 14)(11, 13)]) \cong \text{C2}$$

$$N_1 = \text{Group}([(1, 2)(3, 18)(4, 12)(5, 17)(6, 9)(7, 16)(8, 15)(10, 14)(11, 13), (1, 3, 7, 4, 8, 13, 9, 14, 17)(2, 5, 10, 6, 11, 15, 12, 16, 18), (1, 4, 9)(2, 6, 12)(3, 8, 14)(5, 11, 16)(7, 13, 17)(10, 15, 18)]) \cong \text{D18}$$

$$N_2 = \text{Group}([(1, 2)(3, 18)(4, 12)(5, 17)(6, 9)(7, 16)(8, 15)(10, 14)(11, 13)]) \cong \text{C2}$$